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Page 2, between lines 3 and 4, please insert:

SUMMARY OF THE INVENTION

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Page 9, between lines 32 and 33, please insert:

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BRIEF DESCRIPTION OF THE DRAWINGS

Page 14, between lines 14 and 15, please insert:

DETAILED DESCRIPTION OF THE INVENTION

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In The Claims:

Please cancel original Claims 1-122 prior to calculation of the filing fee and add new Claims 123-168 as follows:

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123. A fiber optic cable installation comprising:

a surface defining a channel having a width of no more than 12 mm;

a cable disposed within the channel, said cable comprising a tube sized to fit

within the channel and at least one optical waveguide disposed within said tube; and

a filling material overlying said cable and at least partially filling the channel, said filling material at least partially comprised of material not previously evacuated to form the channel.



- 124. A fiber optic cable installation according to Claim 123 wherein said cable has a diameter of no more than 10 mm.
- 125. A fiber optic cable installation according to Claim 123 wherein said surface defines the channel to have a width of no more than 7 mm.
- 126. A fiber optic cable installation according to Claim 125 wherein said cable has a diameter of no more than 5.5 mm.

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- 127. A fiber optic cable installation according to Claim 123 wherein the surface defines the channel to have a depth of no more than 15 mm.
- 128. A fiber optic cable installation according to Claim 123 wherein said surface comprises a road surface.
- 129. A fiber optic cable installation according to Claim 128 wherein the road surface comprises a base course, a binder course disposed upon said base course and a surface course disposed upon said binder course, and wherein the road surface defines the channel through the surface course and the binder course and at least partially through the base course.
- 130. A fiber optic cable installation according to Claim 123 wherein said surface comprises a paved surface defining at least one expansion joint which serves as the channel.
- 131. A fiber optic cable installation according to Claim 123 further comprising a release element disposed within the channel and extending lengthwise along said cable, said filling material also overlying said release element.
- 132. A fiber optic cable installation according to Claim 131 wherein said release element is formed of a material selected from the group consisting of metal, plastic and foam rubber.
- 133. A fiber optic cable installation according to Claim 131 wherein said release element is formed of a core surrounded by an elastic coating.
- 134. A fiber optic cable installation according to Claim 133 wherein the core of said release element is at least as large as said cable.

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135. A fiber optic cable installation according to Claim 123 further comprising an intermediate covering disposed within the channel and overlying said cable, said filling material also overlying said intermediate covering.

- 136. A fiber optic cable installation according to Claim 135 wherein said intermediate covering comprises at least one insert selected from the group consisting of wires and sensors.
- 137. A fiber optic cable installation according to Claim 123 wherein said filling material is formed of a material selected from the group consisting of bitumen and a hot melt adhesive.
- 138. A fiber optic cable installation according to Claim 123 wherein said filling material includes a marker.
- 139. A fiber optic cable installation according to Claim 138 wherein the marker includes fibers selected from the group consisting of glass fibers and metal fibers.
- 140. A fiber optic cable installation according to Claim 123 further comprising at least one magnet disposed within the channel, said filling material also overlying said at least one magnet.
- 141. A fiber optic cable installation according to Claim 123 further comprising a device, disposed within the channel between said cable and said filling material, for holding said cable within the channel.
- 142. A fiber optic cable installation according to Claim 123 further comprising a foam at least partially surrounding said cable, said filling material also overlying said foam.

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- 143. A fiber optic cable installation according to Claim 123 further comprising a conductive cable disposed within the channel, said filling material also overlying said conductive cable.
 - 144. A fiber optic cable installation comprising:

a surface defining a channel;

a cable disposed within the channel, said cable comprising a tube and at least one optical waveguide disposed within said tube;

a release element disposed within the channel and extending lengthwise along said cable; and

a filling material overlying said cable and said release element and at least partially filling the channel

- 145. A fiber optic cable installation according to Claim 144 wherein said release element is formed of a material selected from the group consisting of metal, plastic and foam rubber.
- 146. A fiber optic cable installation according to Claim 144 wherein said release element is formed of a core surrounded by an elastic coating.
- 147. A fiber optic cable installation according to Claim 146 wherein the core of said release element is at least as large as said cable.
- 148. A fiber optic cable installation according to Claim 144 further comprising an intermediate covering disposed within the channel between said cable and said release element.
- 149. A fiber optic cable installation according to Claim 148 wherein said intermediate covering comprises at least one insert selected from the group consisting of wires and sensors.

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150. A fiber optic cable installation according to Claim 144 wherein said surface defines the channel to have a width of no more than 12 mm.

- 151. A fiber optic cable installation according to Claim 150 wherein said cable has a diameter of no more than 10 mm.
- 152. A fiber optic cable installation according to Claim 144 wherein said surface defines the channel to have a width of no more than 7 mm.
- 153. A fiber optic cable installation according to Claim 152 wherein said cable has a diameter of no more than 5.5 mm.
- 154. A fiber optic cable installation according to Claim 144 wherein the surface defines the channel to have a depth of no more than 15 mm.
- 155. A fiber optic cable installation according to Claim 144 wherein said surface comprises a road surface.
- 156. A fiber optic cable installation according to Claim 155 wherein the road surface comprises a base course, a binder course disposed upon said base course and a surface course disposed upon said binder course, and wherein the road surface defines the channel through the surface course and the binder course and at least partially through the base course.
- 157. A fiber optic cable installation according to Claim 144 wherein said surface comprises a paved surface defining at least one expansion joint which serves as the channel.
- 158. A fiber optic cable installation according to Claim 144 wherein said filling material is formed of a material selected from the group consisting of bitumen and a hot melt adhesive.

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159. A fiber optic cable installation according to Claim 144 wherein said filling material includes a marker.

- 160. A fiber optic cable installation according to Claim 155 wherein the marker includes fibers selected from the group consisting of glass fibers and metal fibers.
 - 161. A fiber optic installation comprising:

an elongate body defining at least one lengthwise extending duct and adapted to be disposed within a channel defined by a surface;

at Teast one optical waveguide disposed within a respective duct defined by said elongate body; and

a filling material overlying said elongate body and at least partially filling the channel.

- 162. A fiber optic installation according to Claim 161 wherein said elongate body is sized to fit within a channel having a width of no more than 12 mm.
- 163. A fiber optic installation according to Claim 161 wherein said elongate body is sized to fit within a channel having a width of no more than 7 mm.
- 164. A fiber optic installation according to Claim 161 wherein said elongate body comprises a plurality of barbs for engaging walls that define the channel.
- 165. A fiber optic installation according to Claim 161 wherein said elongate body is sheathed by said filling material.
- 166. A fiber optic installation according to Claim 161 wherein said elongate body defines a slot opening into a duct.